

Datasheet for ABIN7562790

## PDE11A Protein (AA 1-933) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	PDE11A
Protein Characteristics:	AA 1-933
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDE11A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Pde11a Protein expressed in mammalian cells.
Sequence:	<p>MAASRLDFGE VETFLDRHPE LFEDYLMRKG KQELVDKWLQ RHTSGQGASS LRPALAGASS</p> <p>LAQSNAGKSP GIGGGAGPQG SAHSHPTPGG GESAGVPLSP SWASGSRGDG SLQRRASQKE</p> <p>LRKSFARSKA IHVNRITYDEQ VTSRAQEPLS SVRRRALLRK ASSLPPTTAH ILSALLESRV</p> <p>NLPQYPPTAI DYKCHLKKHN ERQFFLELVK DISNDLDLTS LSYKILIFVC LMVDADRCSL</p> <p>FLVEGAAAGK KTLVSKFFDV HAGTPLLPSC STENSNEVQV PWGKGIIQYV GEHGETVNIP</p> <p>DAYQDRRFND EIDKLTGYKT KSLLCMPIRN SDGEIIGVAQ AINKVPEGAP FTEDDEKVMQ</p> <p>MYLPFCGIAI SNAQLFAASR KEYERSRALL EVVNDLFEEQ TDLEKIVKKI MHRAQTLLKC</p> <p>ERCSVLLLED IESPVVKFTK SFELMSPKCS ADAENSFKES VEKSSYSDWL INNSIAELVA</p> <p>STGLPVNVSD AYQDPRFDAE ADQISGFHIR SVLCVPIWNS NHQIIGVAQV LNRLDGKPF</p> <p>DADQRLFEEF VIFCGLGINN TIMYDQVKKS WAKQSVALDV LSYHATCSKA EVDKFKAANI</p> <p>PLVSELAIDD IHFDDFSLDV DAMITAALRM FMELGMVQKF KIDYETLCRW LLTVRKNYRM</p>

## Product Details

VLYHNWRHAF NVCQLMFAML TTAGFQEILT EVEILAVIVG CLCHDLDRHG TNNAFQAKSD  
SALAQLYGTS ATLEHHHFNH AVMILQSEGH NIFANLSSKE YSDLMQLLKQ SILATDLTLY  
FERRTEFFEL VRKGDYDWSI TSHRDVFRSM LMTACDLGAV TKPWEISRQV AELVTSEFFE  
QGDRERSELK LTPSAIFDRN RKDELPRQLQ EWIDSICMPL YQALVKVNAK LKPM LDSVAA  
NRRKWEELHQ KRLQVSAASP DPASPMVAGE DRL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	PDE11A
Alternative Name:	Pde11a ( <a href="#">PDE11A Products</a> )
Background:	Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A (EC 3.1.4.35) (EC 3.1.4.53) (cAMP and cGMP phosphodiesterase 11A),FUNCTION: Plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides cAMP and cGMP (PubMed:15800654). Catalyzes the hydrolysis of both cAMP and cGMP to 5'-AMP and 5'-GMP, respectively (By similarity). {ECO:0000250 UniProtKB:Q9HCR9, ECO:0000269 PubMed:15800654}.

### Target Details

Molecular Weight:	104.6 kDa
UniProt:	<a href="#">P0C1Q2</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

### Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months